

Claims

- [c1] A method of testing downhole seals within a housing, comprising:
 - injecting a chemical into the housing, the chemical adapted to produce an exothermic reaction when exposed to test fluid, the chemical isolated by the down-hole seals;
 - exposing the downhole seals to test fluid; and
 - monitoring the housing for temperature increases.
- [c2] A method of testing downhole seals, comprising:
 - providing hollow beads adapted to emit noise upon exposure to increased pressure, the hollow beads isolated from the increased pressure by the downhole seals;
 - exposing the downhole seals to increased pressure; and
 - monitoring the hollow beads for sound.
- [c3] The method of claim 2, wherein the monitoring is performed by a sonic sensor.
- [c4] A method of testing downhole seals, comprising:
 - providing cavities isolated from test fluid by downhole seals;
 - exposing the downhole seals to test fluid; and

detecting the presence of test fluid in the cavities.

- [c5] The method of claim 4, wherein the detecting is performed by an ultrasonic sensor.
- [c6] The method of claim 4, wherein the detecting is performed by a sonic sensor.
- [c7] The method of claim 4, wherein the detecting is performed by a portable x-ray machine.